Takayuki Arazoe

List of Publications by Year
in descending order

18	2,151	840585 11	887953 17
papers	citations	h-index	g-index

18	18	18	2506
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeted nucleotide editing using hybrid prokaryotic and vertebrate adaptive immune systems. Science, 2016, 353, .	6.0	1,011
2	Targeted base editing in rice and tomato using a CRISPR-Cas9 cytidine deaminase fusion. Nature Biotechnology, 2017, 35, 441-443.	9.4	632
3	Tailorâ€made CRISPR/Cas system for highly efficient targeted gene replacement in the rice blast fungus. Biotechnology and Bioengineering, 2015, 112, 2543-2549.	1.7	166
4	Deaminase-mediated multiplex genome editing in Escherichia coli. Nature Microbiology, 2018, 3, 423-429.	5.9	161
5	Targeted Nucleotide Editing Technologies for Microbial Metabolic Engineering. Biotechnology Journal, 2018, 13, e1700596.	1.8	39
6	Tailorâ€made TALEN system for highly efficient targeted gene replacement in the rice blast fungus. Biotechnology and Bioengineering, 2015, 112, 1335-1342.	1.7	36
7	Single crossover-mediated targeted nucleotide substitution and knock-in strategies with CRISPR/Cas9 system in the rice blast fungus. Scientific Reports, 2019, 9, 7427.	1.6	28
8	Detailed analysis of targeted gene mutations caused by the Platinum-Fungal TALENs in Aspergillus oryzae RIB40 strain and a ligD disruptant. Journal of Bioscience and Bioengineering, 2017, 123, 287-293.	1.1	26
9	Knockout of the SREBP system increases production of the polyketide FR901512 in filamentous fungal sp. No. 14919 and lovastatin in Aspergillus terreus ATCC20542. Applied Microbiology and Biotechnology, 2018, 102, 1393-1405.	1.7	16
10	Site-specific DNA double-strand break generated by I-SceI endonuclease enhances ectopic homologous recombination inPyricularia oryzae. FEMS Microbiology Letters, 2014, 352, 221-229.	0.7	15
11	Construction of a system for exploring mitotic homologous recombination in the genome of Pyricularia oryzae. Journal of General Plant Pathology, 2013, 79, 422-430.	0.6	12
12	Experimental evidence of a pathogenic change caused by homologous recombination between endogenous and introduced dysfunctional Avr-Pita genes in Pyricularia oryzae. Journal of General Plant Pathology, 2014, 80, 153-157.	0.6	3
13	CRISPR-based pathogenic fungal genome editing for control of infection and disease. Progress in Molecular Biology and Translational Science, 2021, 179, 161-196.	0.9	2
14	Development of genome-editing technologies for plant pathogenic fungi. Journal of General Plant Pathology, 2020, 86, 523-525.	0.6	1
15	Genome Editing Using System in the Fungus. Methods in Molecular Biology, 2021, 2356, 149-160.	0.4	1
16	Copy number-dependent DNA methylation of the Pyricularia oryzae MAGGY retrotransposon is triggered by DNA damage. Communications Biology, 2021, 4, 351.	2.0	1
17	The effect of chemicals on somatic homologous recombination in the rice blast fungus: its possible application for detection of mycotoxins. Mycotoxins, 2014, 64, 141-146.	0.2	1
18	Targeted genome editing using CRISPR/Cas9 system in fungi. , 2020, , 45-67.		0